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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PCT NATIONAL STAGE APPLICATION OF

Art Unit: 1646

Baumgarten, Birgit, et al.

Examiner: Li, Ruixiang

INTERNATIONAL APPLICATION NO: PCT/EP04/006625

FILED: June 18, 2004

U.S. APPLICATION NO: 10/580,322

35 USC §371 DATE: September 12, 2006

FOR: PROTON-SENSING G-PROTEIN COUPLED RECEPTORS AND
DNA SEQUENCES THEREOF

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION

Sir:

This Reply is submitted in response to the Office Action mailed May 5, 2009. This response is timely filed by the due date of August 5, 2009, thus, no extensions are required.

Please enter the following amendments and the remarks.

Amendment to the Specification begins on page 2 of this paper.

Amendments to the Claims are reflected in the listing of the claims which begin on page 3 of this paper.

Remarks/Arguments begin on page 6 of this paper.